



C09-IT-306

3304

**BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2013
DIT—THIRD SEMESTER EXAMINATION**

RDBMS

Time : 3 hours]

[Total Marks : 80

PART—A

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define data independence and data dictionary.
2. List the components of E-R diagram.
3. Define DDL and DML.
4. What are the various literals available in SQL?
5. What do you mean by nulls and pseudocolumns?
6. Define cluster and synonym.
7. Write the procedure for creating a table and altering a table.
8. What are the advantages of subprograms?

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9. Define database trigger and stored procedure of PL/SQL.
10. List the advantages of packages.

PART—B

Instructions : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define normalization. Explain 1 NF, 2 NF and 3 NF with example.
12. Explain the EF codd's 12 rules of RDBMS.
13. Explain SQL joins with example.
14. (a) Explain various character functions of SQL.
(b) Explain the process of creating of a view with suitable example.
15. (a) Explain the management of sequences in detail.
(b) Explain the process of managing indexes in detail.
16. (a) Write a PL/SQL program to generate first 20 fibonacci series numbers.
(b) What do you mean by recursion? Explain recursion feature with suitable example.
17. (a) Explain different parameter modes of PL/SQL subprogram.
(b) Explain the process of propagation as well as raising of exception handlers.
18. (a) Explain about stored subprograms.
(b) Explain the process of overloading with suitable example.
